

# Business Model Canvas

Designed for:  
Law Enforcement

Designed by:  
Drone Race Team

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Key Partners	Key Activities	Value Propositions	Customer Relationships	Customer Segments
<p><b>Primary Users:</b></p> <ul style="list-style-type: none"><li>Local and state police /law enforcement departments</li><li>Border control and homeland security agencies</li><li>Federal law enforcement units (e.g., FBI, DEA)</li></ul> <p><b>Secondary Users:</b></p> <ul style="list-style-type: none"><li>City governments managing smart city surveillance</li><li>Private security firms for high-risk zones or VIP protection</li><li>Drone racers looking for practice (hobbyists)</li></ul>	<ul style="list-style-type: none"><li>To establish strong, long-term partnerships with our customers by prioritizing trust, confidentiality, and security essential when handling sensitive data for law enforcement agencies.</li><li>Partner with a large, secure cloud storage company in order to ensure robust storage with high integrity.</li><li>Establish reputable distribution channels within the law enforcement network such as government endorsed contracts.</li><li>Establish a sustainable profit model which combines one-time and subscription based pay plans.</li></ul>	<ul style="list-style-type: none"><li><b>Faster Response Time:</b> Drones can be dispatched within seconds to pursue suspects, minimizing escape windows.</li><li><b>Increased Officer Safety:</b> Removes the need for dangerous physical chases or entry into high-risk zones.</li><li><b>AI-Driven Identification:</b> Uses computer vision to identify, classify, and track suspects in real time.</li><li><b>Evidence Collection:</b> Secure cloud-stored footage for court use or internal investigation.</li><li><b>Compliance &amp; Security:</b> End-to-end encrypted communication ensures secure handling of sensitive law enforcement data</li><li><b>Cheaper Cost of Entry:</b> Use of inexpensive computational units makes the product more accessible</li></ul>	<p><b>High-Touch Sales Model:</b></p> <ul style="list-style-type: none"><li>Dedicated account managers and security advisors</li></ul> <p><b>Training &amp; Certification Programs:</b></p> <ul style="list-style-type: none"><li>Hands-on drone operation training/certification for officers and dispatchers</li><li>Digital twin simulations for live tactical exercises</li></ul> <p><b>Technical Support &amp; Uptime SLA:</b></p> <ul style="list-style-type: none"><li>Incident response support</li><li>On-site maintenance and remote diagnostics</li><li>Excellent documentation of both software and hardware.</li></ul> <p><b>Feedback Loops:</b></p> <ul style="list-style-type: none"><li>Continuous input from police field reports for AI model improvements</li></ul>	<p><b>For whom are we creating value?</b></p> <ul style="list-style-type: none"><li>Law enforcement bodies</li><li>Military</li><li>Drone hobbyists</li><li>Entertainment</li><li>Logistics &amp; Delivery</li></ul> <p><b>Who are our most important customers?</b></p> <ul style="list-style-type: none"><li>Law enforcement bodies</li></ul> <p><b>Is our customer base a Mass Market, Niche Market, Segmented, Diversified, Multi-sided Platform</b></p> <ul style="list-style-type: none"><li>Our current focus is a niche market—law enforcement and security agencies.</li><li>However, the modular design enables future expansion into a diversified market, serving unrelated segments such as logistics, entertainment, hobbyist racing, and academic research.</li></ul>

## Key Resources

### Drone Hardware Fleet:

- Cheap, mass-producible drones which allow for wide, quick area surveillance.
- AI Camera Production
- Microcontroller, flight controller Production
- Drone parts: batteries, propellers, frames, etc.

### AI/ML Software Stack:

- Raspberry Pi AI Camera – Real-time object detection
- OpenCV - The computer vision library that is extremely popular and well supported

## Channels

- **Direct Sales & Contracts:**

- Government procurement platforms
- Homeland security vendor lists

- **Pilot Programs:**

- Free trials with select police departments
- Grant-supported pilot integrations (e.g., Department of Justice tech innovation funds)

- **Industry Conferences & Demos:**

- Law enforcement expos, smart policing summits, defense tech showcases

- **Strategic Partnerships:**

- Co-development with national defense integrators or drone companies

- **Commercial Markets:**

- Retail sellers for hobbyist drone connoisseurs

		<b>Academic &amp; Research Sponsorships:</b> <ul style="list-style-type: none"> <li>• Provide drones to universities for robotics, AI, and drone racing research.</li> <li>• Collaborate with academic labs on new algorithms (e.g., autonomous racing, swarm coordination).</li> <li>• Sponsor student drone racing teams and competitions to build brand presence.</li> </ul>	
<b>Cost Structure</b> <ol style="list-style-type: none"> <li>1. Initial up-front cost for drone hardware             <ol style="list-style-type: none"> <li>a. Drone hardware has multiple different levels of agility and resilience, as well as accessory packages: Cameras, nets, etc.</li> </ol> </li> <li>2. Drone maintenance and replacement parts are contracted through our company</li> <li>3. Subscription for utilizing cloud storage of evidence as well as live drone tracking</li> </ol>		<b>Revenue Streams</b> <p><b>Hardware Sales:</b></p> <ul style="list-style-type: none"> <li>• Sale of autonomous drone kits per unit or fleet</li> </ul> <p><b>Software-as-a-Service (SaaS):</b></p> <ul style="list-style-type: none"> <li>• Subscription to real-time analytics dashboard, object tracking, and heatmap overlays</li> </ul> <p><b>Training and Onboarding:</b></p> <ul style="list-style-type: none"> <li>• One-time fees for officer certification and integration setup</li> </ul> <p><b>Maintenance Contracts:</b></p> <ul style="list-style-type: none"> <li>• Annual service agreements for drone upkeep, battery replacement, and software updates</li> </ul> <p><b>Licensing Model:</b></p> <ul style="list-style-type: none"> <li>• Licensing of proprietary threat recognition AI to third-party vendors</li> </ul>	